



Sheet 1 of 1

PTO-1449 (Modified)  U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  INFORMATION DISCLOSURE STATEMENT BY APPLICANT	ATTY. DOCKET NO. 003493.00084	SERIAL NUMBER 09/617,440
	APPLICANT Jin-Meng HO et al.	
	FILING DATE July 14, 2000	GROUP ART UNIT 2664

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE
dhe	6,049,549	4/11/2000	Ganz et al.			RECEIVED
						AUG 09 2002
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## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES/NO
dhe	WO 00/31929	6/2/2000	PCT			
dhe	EP 0 853 407 A2	7/15/1998	EP			

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

dhe	N. Ek, "IEEE 802.1 P,Q - QoS on the MAC level," 24 April 1999, XP000864158 Retrieved from the Internet: URL: <a href="http://www.tml.hut.fi/Opinnot/Tik-110.551/1999/papers/08IEEE802.1QosInMac/qos.html">http://www.tml.hut.fi/Opinnot/Tik-110.551/1999/papers/08IEEE802.1QosInMac/qos.html</a> retrieved 6/27/2002, paragraphs 0003 - 0006
dhe	Y. Drabu, "A survey of QoS techniques in 802.11", Internet 'Online! January 1999, XP000864159, Retrieved from the Internet: URL: <a href="http://trident.mcs.kent.edu/~ydrabu/research/wmac/mac.pdf">http://trident.mcs.kent.edu/~ydrabu/research/wmac/mac.pdf</a> , retrieved on 6/27/2002, paragraphs 0001 - 03.21, 0004 - 4.2.1

EXAMINER <i>Daniel K. Lee</i>	DATE CONSIDERED <i>6/8/4</i>
EXAMINER: Initial citation if reference was considered. Draw line through citation if not in conformance to MPEP 609 and not considered. Include copy of this form with next communication to applicant.	

Ids w/1449 form filed: August 8, 2002

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet 1 of 3

**Complete if Known**

Application Number	09/617,440
Filing Date	July 14, 2000
First Named Inventor	Jin-Meng Ho et al.
Art Unit	2664
Examiner Name	W. Chin
Attorney Docket Number	003493.00084

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number - Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
dhk		US-5,012,469	04-30-1991	Sardana	
		US- 5,717,688	02-10-1998	Belanger et al.	
		US- 5,787,080	07-28-1998	Hulyalkar et al.	
		US- 5,949,768	09-07-1999	Citta et al.	
		US- 5,960,000	09-28-1999	Ruszczak et al.	
		US- 5,978,382	11-02-1999	Citta et al.	
		US- 6,034,967	03-07-2000	Citta et al.	
		US- 6,169,748	01-02-2001	Barbas et al.	
		US- 6,226,277	05-01-2001	Chuah	
		US- 6,236,656	05-22-2001	Westerberg et al.	
		US- 6,262,976	07-17-2001	McNamara	
		US- 6,263,204	07-17-2001	Kusaki et al.	
		US- 6,285,886	09-04-2001	Kamel et al.	
		US- 6,317,438	11-13-2001	Trebes, Jr.	
		US- 6,358,555	03-12-2002	Rakib et al.	
		US- 6,370,153	04-09-2002	Eng	
		US- 6,377,548	04-23-2002	Chuah	
		US- 6,452,915	09-17-2002	Jorgensen	
		US- 6,469,991	10-22-2002	Chuah	
dhk		US- 6,501,741	12-31-2002	Mikkonen et al.	

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**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
dhk		JP 02072736 A	08-1990	Kurokawa, Takatsugu		

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Danh K. L.

Date  
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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Attorney Docket Number	003493.00084

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U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. 1	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
dhl		US- 6,515,972	02-04-2003	Gage et al.	
		US-6,519,462	02-11-2003	Lu et al.	
		US- 6,538,989	03-25-2003	Carter et al.	
		US- 6,542,490	04-01-2003	Ahmadvand et al.	
		US- 6,567,408	05-20-2003	Li et al.	
		US- 6,567,416	05-20-2003	Chuah	
		US- 6,577,609	06-10-2003	Sharony	
		US- 6,587,457	07-01-2003	Mikkonen	
		US- 6,587,465	07-01-2003	Dempo	
		US- 6,590,885	07-08-2003	Jorgensen	
		US- 6,600,744	07-29-2003	Carr et al.	
		US- 6,825,156	09-23-2003	Shaio et al.	
✓ dhl		US- 6,631,122	10-07-2003	Arunachalam et al.	
		US-			
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Sheet 3 of 3

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First Named Inventor	Jin-Meng Ho et al.
Group Art Unit	2664
Examiner Name	W. Chin
Attorney Docket Number	003493.00084

**OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
dhk		Aad, Imat & Castelluccia, Claude, "Introducing Service Differentiation into IEEE 802.11", IEEE, 2000, pages 438-443.	
dhk		Ganz, Aura & Wongthavarawat, Kitt, "IEEE 802.11 Wireless LAN Association Procedure for Multimedia Applications", IEEE, 1999, pages 1287-1291.	
dhk		Ho, Jin-Meng & Lin, Wei, "IEEE P802.11 Wireless LANs, MediaPlex-An IEEE 802.11 Enhanced Protocol for QoS-Driven Wireless LANs", AT&T, November 2000, pages 1-25.	
dhk		Gong, Zhijun et al., "QoS Guaranteed Wireless LAN" International Conference on Communication Technology, ICCT, October 22-24, 1998.	
dhk		Call, F. et al., "IEEE 802.11 Wireless LAN: Capacity Analysis and protocol Enhancement, IEEE 1998.	
dhk		Deng, Dr-Jiunn & Chang, Ruay-Shiung, "A Priority Scheme for IEEE 802.11 DCF Access Method", IEICE Trans. Commun., Vol. E82-B, No. 1, January 1999.	

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Examiner Signature	<i>[Signature]</i>	Date Considered	6/8/4
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Sheet	1	of	1
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Application Number	09/617,440
Filing Date	July 14, 2000
First Named Inventor	Jin-Meng Ho et al.
Art Unit	2664
Examiner Name	W. Chin
Attorney Docket Number	003493.00084

U.S. PATENT DOCUMENTS					
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		Number - Kind Code <sup>2</sup> (if known)			
dh		US-2002/0159418	10-31-2002	Rudnick et al.	
		US- 2002/0163928	11-07-2002	Rudnick et al.	
		US- 5,384,777	01-24-1995	Almadi et al.	
		US- 5,581,544	12-03-1996	Hamada et al.	
		US- 5,644,576	07-01-1997	Bauchot et al.	
		US- 5,644,715	07-01-1997	Baughner	
		US- 5,729,542	03-17-1998	Dupont	
		US- 5,787,080	07-28-1998	Hulyalkar et al.	
		US- 5,793,747	08-11-1998	Kline	
		US- 5,970,062	10-19-1999	Bauchot	
		US- 6,115,390	09-05-2000	Chuah	
		US- 6,181,684	01-30-2001	Turcotte et al.	
		US- 6,404,738	06-11-2002	Reininger et al.	
		US- 6,507,587	01-14-2003	Bahl	
		US- 6,657,965	12-02-2003	Shaffer et al.	
dh		US- 6,704,932	03-09-2004	Matsunaga et al.	
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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet	1	of	2
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**Complete if Known**

<b>Application Number</b>	09/617,440
<b>Filing Date</b>	July 14, 2000
<b>First Named Inventor</b>	Jin-Meng Ho
<b>Art Unit</b>	2664
<b>Examiner Name</b>	W. Chin
<b>Attorney Docket Number</b>	003493.00084

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